

CLAIMS**What is Claimed is:**

- 5 1. Method for painting plastic substrates, comprising the steps:
1. applying a pigmented paint layer consisting of a colour- and/or effect-imparting coating composition directly to the plastic substrate and
 2. curing the pigmented paint layer thus obtained,
wherein the applied colour- and/or effect-imparting coating
- 10 composition comprises
- A) 30 to 90% by weight of a conventional colour- and/or effect-imparting coating composition, comprising
 - Aa) at least one binder,
 - Ab) at least one colour and/or effect pigment,
 - Ac) at least one organic solvent and/or water and
 - Ad) optionally conventional paint additives and
 - B) 10 to 70% by weight of an adhesion-promoting composition, comprising
 - Ba) at least one ethylene vinyl acetate copolymer,
 - Bb) at least one chlorinated rubber,
 - Bc) at least one chlorinated polyolefin and
 - Bd) optionally organic solvents and/or water and conventional paint additives,
- 15 wherein the sum of the portions of components A) and B) makes up
- 20 25 100% by weight.
2. Method according to claim 1, comprising the steps:
1. applying a base coat layer consisting of a colour-and/or effect-imparting base coat directly to the plastic substrate,
 2. evaporating and/or curing the base coat layer thus obtained,
 3. applying a clear coat layer consisting of a transparent clear coat to the base coat layer obtained,

4. curing the clear coat layer obtained, optionally together with the base coat,
wherein the applied colour- and/or effect-imparting base coat comprises
 - 5 A) 30 to 90% by weight of a conventional base coat composition, comprising
 - Aa) at least one binder,
 - Ab) at least one colour and/or effect pigment,
 - Ac) at least one organic solvent and/or water and
 - 10 Ad) optionally conventional paint additives and
 - B) 10 to 70% by weight of the adhesion-promoting composition B), wherein the sum of the portions of components A) and B) makes up 100% by weight.
- 15 3. Method according to claim 1, comprising the steps:
 1. applying a pigmented monocoat finish layer consisting of a colour- and/or effect-imparting coating composition directly to the plastic substrate and
 2. curing the top coat layer thus obtained,
- 20 wherein the applied colour- and/or effect-imparting monocoat finish comprises
 - A) 30 to 90% of a conventional monocoat finish composition, comprising
 - Aa) at least one binder,
 - 25 Ab) at least one colour and/or effect pigment,
 - Ac) at least one organic solvent and/or water and
 - Ad) optionally conventional paint additives and
 - B) 10 to 70% by weight of the adhesion-promoting composition B),
- 30 wherein the sum of the portions of components A) and B) makes up 100% by weight.

4. Method according to claim 1, wherein the colour- and/or effect-imparting coating composition comprises 35 to 80% by weight of the conventional colour- and/or effect-imparting coating composition A) and 20 to 65% by weight of the adhesion-promoting composition B), wherein the 5 sum of portions of components A) and B) makes up 100% by weight.
5. Method according to claim 1, wherein the colour- and/or effect-imparting coating composition comprises 40 to 70% by weight of the conventional colour- and/or effect-imparting coating composition 10 constitution A) and 30 to 60% by weight of the adhesion-promoting composition B), wherein the sum of portions of components A) and B) makes up 100% by weight.
6. Method according to claim 1, wherein the adhesion-promoting 15 composition B) comprises
 - Ba) 1.0 to 10.0% by weight of at least one ethylene vinyl acetate copolymer,
 - Bb) 0.5 to 10.0% by weight of at least one chlorinated rubber,
 - Bc) 1.0 to 10.0% by weight of at least one chlorinated polyolefin 20 and
 - Bd) 70.0 to 97.5% by weight of organic solvent and optionally, conventional paint additives, wherein the sum of the portions of components Ba) to Bd) makes up 100% by weight.
- 25 7. Method according to claim 1, wherein the step of applying the pigmented paint layer consisting of a colour- and/or effect-imparting coating composition is carried out in that a colour- and/or effect-imparting coating composition containing the adhesion-promoting composition B) is applied directly to the plastic substrate and a colour- and/or effect-imparting coating composition which does not contain the adhesion-promoting composition B) is then applied thereon.

8. Method according to claim 1, wherein the colour- and/or effect-imparting coating composition is a solvent-based coating composition.

9. Method according to claim 1, wherein the colour- and/or effect-
5 imparting coating composition is a water-based coating composition.

10. Method according to claim 1 for painting plastics in vehicle painting.

11. A plastic substrate coated according to the process of claim 1.